

CLAIMS

- Sub 147
1. A system (10) for the simultaneous transmission of information to multiple users over a wireless communications network and for receiving, demodulating, downloading and storing the information at user bases (14), the system comprising at least one content provider (16); at least one internet service provider (18); a transmission infrastructure (12; 30; 32; 40; 52); multiple user bases (14), having receivers (20; 42) consisting of an antenna in conjunction with a receiver card; a modem for demodulating the broadcast signal; and processing means for storing and enabling subsequent retrieval of the information.
 2. A system according to claim 1 including at least one switchable channel (50) to be broadcast selectively to a subset of users (14) and permitting the activation and or deactivation of a specific channel of information.
 3. A system according to claim 1 or 2 including means for encoding the information signal prior to transmission.
 4. A system according to claim 1 or 2 including means for encrypting the information signal prior to transmission.
 5. A system according to any one of the preceding claims wherein the means for encrypting is a function of the user-specific identification code inherent in the receiver card and a key obtained by the user on payment of the channel subscription.
 6. A system according to any one of the previous claims wherein the receiver has an antenna operatively associated therewith.
 7. A system according to any one of the preceding claims including means for compressing the information signal prior to transmission and means for decompressing the information after it has been downloaded.
 8. A system according to any one of the preceding claims where the transmission network (12; 30; 32; 40; 52) is a radio network.
 9. A method for facilitating the simultaneous transmission of information to multiple user bases (14) over a wireless communications network and for receiving, demodulating, downloading, and storing the information at the user bases (14) for subsequent retrieval, the method including the steps of collecting information from at least one content provider (16) though an internet service provider (18); classifying and grouping the information into channels; generating a modulated information signal for transmission; broadcasting the modulated

information signal over a wireless transmission network (12; 30; 32; 40; 52); receiving the transmitted information signal at user bases (14) via suitably tuned receivers (20; 42); demodulating the received information signal; and storing the information for subsequent retrieval.

10. A method according to claim 9 including the step of automatically refreshing the stored information with an updated version.
11. A method as claimed in claim 9 or 10 including the step of activating certain channels according to a subscriber's status using software switches (60) at the transmitter.
12. A method as claimed in claim 9 or 10 including the step of activating certain channels according to a subscriber's status by encrypting information as a function of a user-specific identification code.
13. A method as claimed in any one of claims 9 to 12 wherein the step of modulating the information signal is achieved by using any one or more of modulation techniques selected from the group consisting of Gaussian Minimum Shift Keying (GMSK), Quadrature Polyphase Modulation (QPM) and Galaxy Modulation.
14. A method as claimed in claim 13 where the modulation technique includes a redundancy check.

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